

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A color space quantization descriptor structure for performing quantization of a color space in order to search a multimedia based on contents, in which quantization description information of the color space has a tree structure divided into a plurality of superior color spaces and subordinate color spaces when color information is described as the information representing a feature of an image, the quantization description information comprising information for describing uniform quantization of subordinate color space and information for describing non-uniform quantization of the subordinate color space, wherein the information for describing the uniform quantization describes bin values of the subordinate color space, and the information for describing the non-uniform quantization describes at least one boundary between the subordinate color spaces.
2. (Currently Amended) The color space quantization descriptor structure according to claim 1, wherein the quantization description information represents one color space and further comprises a plurality of subordinate color spaces recurrently repeatedly.
3. (Canceled)

4. (Original) The color space quantization descriptor structure according to claim 1, wherein the subordinate color space structure of the quantization description information constitutes a certain set of consecutive color spaces.

5. (Original) The color space quantization descriptor structure according to claim 4, wherein the subordinate color space structure of the quantization description information performs a scalable quantization description in order of volume of limit range of the color spaces within the certain set.

6. (Canceled)

7. (Currently Amended) A color space quantization descriptor structure for performing quantization of a color space in order to search a multimedia based on contents, comprising:

quantization description information of a color space having a tree structure dividing the color space into a plurality steps of superior color spaces and subordinate color spaces, wherein the quantization description information includes:

information for representing the number of components constituting the color space;

information for representing the limit range of the each divided color space; and

information for representing the division number of the color space when the uniform quantization is represented, wherein the information for representing the limit range of the color space and information for representing the division number of the uniform quantization color space include information for representing the pertinent axis of the color space and are described as the number more than 1 and less than the component number; and quantization type information for representing uniform quantization or non-uniform quantization when color information is described as the information representing a feature of an image in order to search a multimedia based on contents.

8-12. (Canceled)

13. (Currently Amended) A color space quantization descriptor structure for performing quantization of a color space, in which quantization description information of the color space has a tree structure divided into a plurality of superior color spaces and subordinate color spaces when color information is described as the information representing a feature of an image, describes the number of [[the]] subordinate color spaces, comprises information for describing uniform quantization and information for describing non-uniform quantization, wherein the information for describing the uniform quantization describes the number of bins of the subordinate color space, and the information for describing the non-uniform quantization describes a boundary value of the subordinate color space.

14. (Currently Amended) The color space quantization descriptor structure according to claim 13, wherein the quantization description information of the color space further comprises information for describing the number of components constituting the color space.

15. (Original) The color space quantization descriptor structure according to claim 13, wherein the quantization description information of the color space further comprises information for describing boundaries between the divided color spaces.

16. (Currently Amended) The color space quantization descriptor structure according to claim 13, wherein the quantization description information of the color space further comprises information for describing a division number of the color space when the uniform quantization is described.

17. (Currently Amended) The color space quantization descriptor structure according to claim 15, wherein the information for describing the boundaries between the divided color spaces ~~and information for describing the division number of the uniformly divided color spaces~~ further comprise information for describing the pertinent axis of the color space.

18. (Currently Amended) The color space quantization descriptor structure according to claim 17, wherein the information for describing the boundaries between the divided color

Amendment dated: June 21, 2004

Response to Office Action dated: February 20, 2004

~~spaces e and information for describing the division number of the uniformly divided color spaces are~~ is described as the number more than 0 and not greater than the component number.

19. (New) The color space quantization descriptor structure according to claim 16, wherein the information for describing the division number of the uniformly divided color spaces further comprise information for describing the pertinent axis of the color space.

20. (New) The color space quantization descriptor structure according to claim 19, wherein the information for describing the division number of the uniformly divided color spaces is described as the number more than 0 and not greater than the component number.